

| Ref # | Hits   | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|-----------------|------------------|---------|------------------|
| L1    | 35     | 2002/0022567 "22567" "0022567"  | US-PGPUB        | OR               | OFF     | 2004/12/13 14:34 |
| L2    | 1      | "20020022567"   | US-PGPUB        | OR               | OFF     | 2004/12/13 14:44 |
| L3    | 79     | "n-774" or "n774"   | US-PGPUB        | OR               | OFF     | 2004/12/13 14:45 |
| L4    | 63     | carbon same l3  | US-PGPUB        | OR               | OFF     | 2004/12/13 14:45 |
| L5    | 6      | (n774 or "n-774") same surface adj area                               | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:19 |
| L6    | 57     | thermal adj black and refractory                                      | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:20 |
| L7    | 316461 | surface adj area  | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:20 |
| L8    | 34     | l6 and l7   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:23 |
| L9    | 2606   | cast\$4 near2 refractory  | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:24 |
| L10   | 4      | l8 and l9   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:27 |
| L11   | 4      | "factory black" or "factory blacks"                                   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:28 |
| L12   | 4383   | furnace adj black   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:28 |
| L13   | 7      | l9 and l12  | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:31 |
| L14   | 476    | "coke breeze"   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:32 |
| L15   | 21     | l7 same l14   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:34 |
| L16   | 64     | l7 and "pitch powder"   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:34 |
| L17   | 5      | l7 same "pitch powder"  | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:38 |
| L18   | 2049   | l7 near3 "carbon black"   | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:39 |
| L19   | 12     | l7 near3 "carbon black" near3 defin\$6                                | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:43 |
| L20   | 1362   | "thermal black" and "furnace black" and "carbon black"                | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:43 |
| L21   | 1240   | "thermal black" same "furnace black" same "carbon black"              | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 15:48 |
| L22   | 34     | "thermal black" same "furnace black" same "carbon black" same defined | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 16:34 |
| L23   | 1047   | "thermal black" same "furnace black" same "acetylene black"           | US-PGPUB; USPAT | OR               | ON      | 2004/12/13 16:36 |

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|-----|---------|---|--------------------|----|----|------------------|
| L24 | 2565509 | Surface area and I23  | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:35 |
| L25 | 607     | Surface adj area and I23  | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:35 |
| L26 | 267     | "thermal black" same "furnace black" same "acetylene black" same I7                           | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:37 |
| L27 | 0       | "thermal black" near4 typical\$3 near2 I7 same "furnace black" same "acetylene black" same I7 | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:38 |
| L28 | 0       | "thermal black" near4 typical\$3 near2 I7   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:38 |
| L29 | 18      | "thermal black" near4 I7  | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:51 |
| L30 | 0       | "thermal black" near3 SSA   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:51 |
| L31 | 1       | "actylene black" near3 I7   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:52 |
| L32 | 89      | "acetylene black" near3 I7  | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:54 |
| L33 | 0       | I32 near4 typically   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 16:52 |
| L34 | 80588   | castable refractory   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:58 |
| L35 | 4383    | "furnace black"   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:56 |
| L36 | 1489    | n7??  | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:57 |
| L37 | 4390    | n adj 7??   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:57 |
| L38 | 8753    | I35 or I6 or I37  | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:57 |
| L39 | 292     | I34 and I38   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 17:58 |
| L40 | 6       | I38 and castable adj refractory   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 18:03 |
| L41 | 4383    | furnace adj black   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 18:03 |
| L42 | 1660    | thermal adj black   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 18:04 |
| L43 | 10083   | I35 or I36 or I37   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 18:04 |
| L44 | 7       | I43 and castable adj refractory   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 18:11 |
| L45 | 9900    | naphthalenesulfonic   | US-PGPUB;<br>USPAT | OR | ON | 2004/12/13 18:12 |

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|-----|-----|----------------------------------|-------|----|----|------------------|
| L46 | 374 | naphthalenesulfonic near3 sodium | USPAT | OR | ON | 2004/12/13 18:14 |
| L47 | 91  | naphthalenesulfonic and l43      | USPAT | OR | ON | 2004/12/13 18:16 |
| L48 | 2   | naphthalenesulfonic near4 daxad  | USPAT | OR | ON | 2004/12/13 18:16 |
| L49 | 27  | naphthalenesulfonic and daxad    | USPAT | OR | ON | 2004/12/13 18:29 |
| L50 | 13  | "3677780"                        | USPAT | OR | ON | 2004/12/13 18:20 |
| L51 | 1   | l49 and l50                      | USPAT | OR | ON | 2004/12/13 18:29 |
| L52 | 24  | l49 and sodium same potassium    | USPAT | OR | ON | 2004/12/13 18:30 |